YERMOLENKO, N.F.; EFROS, M.D.

Structure and sorptive properties of NiO - Al_2O_3 oxides from oxychloride. Zhur. fiz. khim. 38 no.5:1353-1358 My '64.
(MIRA 18:12)

1. Institut obshchey i neorganicheskoy khimii AN BSSR.
Submitted July 12, 1963.

EFROS, M. M.

The conversion of industrial furnaces from liquid to solid and gas fuel. Moskva, Izd-vo Akademii nauk SSSR, 1946. 103 p. (50-20464)

TN677.E23

EFROS, M. M.

PA 43/49T46

Oct 48

USSR/Engineering
Furnaces
Heating

"Methods of Introducing Automatic Heating Processes in Industrial Furnaces in the Postwar Five-Year Plan," M. M. Efros, Engr, 2 pp

"Za Ekonomiyu Topliva" Vol V, No 10

Great progress has been made in making heat processes automatic in open-hearth furnaces, but like process for other furnaces has lagged somewhat. Heat processes are fuel combustion and temperature regulation in the furnaces. Discusses diverse viewpoints on method of making them automatic.

43/49T46

PA 16/49156

EFROS, M. M.

Jul 46

USSR/Engineering
Furnaces
Fuel Consumption

"Results of the All-Union Scientific Technical Session on Industrial Furnaces," M. M. Efros, Engr, 1 3/4 pp

"Za Ekonomiyu Topliva" No 7

Summarizes proceedings at conference. Main problems were further development of furnaces, fuel economy, and replacement of liquid by local fuel.

16/49156

EFROS, M.M.

F

5486. UTILIZATION OF HEAT OF FLUE GASES FROM SOAKING PITS AND HEAT TREATMENT FURNACES. Efros, M.M. (Za Ekon. Vostiva (Fuel Econ.), Oct. 1954, 13-17). (L).

NYROS, M. M.

"Investigation of the Pulverization and Combustion of Mazut by Low Pressure Burners Suitable for Metal Heating Furnaces," Cand Tech Sci, Moscow Order of Labor Red Banner Inst of Steel imeni I. V. Stalin, Min Higher Education USSR, Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

EFROS, M.M.

137-58-3-5093

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 90 (USSR)

AUTHORS: Efros, M. M., Zarkhin, S. M.

TITLE: Improving the Heating Systems in Forge Shops of Leningrad Plants (Usovershenstvovaniye nagrevatel'nykh ustroystv kuznechnykh tsekhov leningradskikh zavodov)

PERIODICAL: V sb.: Kuznechno-shtampovochn. proiz-vo. Leningrad, Lenizdat, 1957, pp 51-61

ABSTRACT: Electrical and flame heating systems are examined. The authors point out the advantages of a uniform and continuous supply of fuel by automatic underfeed stokers. A stoker of this type ensures a steady output of heat and eliminates the need for the heavy menial operations of charging, rabbling, and cleaning. A description of a "thermoblock"-type recuperator for a forging compartment furnace employed for preheating of air and gas is given, together with operational diagrams. It is pointed out that the resistance method is highly efficient for the heating of 6-7 m long rods employed in the winding of springs.

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P.S.

EFROS, M.M.

p.3

PHASE I BOOK EXPLOITATION 1053

Voprosy aerodinamiki i teploperedachi v kotel'no-topochnykh protsessakh; sbornik statey (Aerodynamic and Heat Transfer Problems in Boiler and Furnace Processes; A Collection of Articles) Moscow, Gosenergoizdat, 1958. 329 p. 6,000 copies printed.

Ed. (title page): Knorre, G.F.; Ed. (inside book): Borishanskiy, V.M.; Tech. Ed.: Zabrodina, A.A.

PURPOSE: The book is intended for engineers and combustion specialists concerned with the design and operation of heating equipment and it is also for scientific workers and students of vtuzes.

COVERAGE: The book presents the results of complex investigations of flow conditions and heat transfer in boiler and furnace processes. The compilation consists of three parts which discuss the conditions of atomization and combustion of liquid fuel, some problems of heat transfer and flow in furnaces and boilers and, finally, the results of investigations of the flow and heat transfer in a

Card 1/7

layer of crushed material. The articles in the first part present the fundamental principles for calculating the atomization process in injectors. Also, new data on the combustion of droplets of heavy liquid fuel are given which make it necessary to reconsider the accepted concept that vaporization of a liquid fuel always precedes its combustion. The reports of the second part throw light on the problem of the motion of a dusty air stream characteristic of cyclonic furnaces. This problem is extremely important in the design of such furnaces. The second part of the collection presents data necessary for the calculation of the emission of fly ash whereby it is shown that this emission is of great significance. In addition, the character of furnace temperature fields is analyzed. The articles of the third part present the fundamental laws of gas flow through a layer of fuel and give the theoretical principles necessary for calculating the aerodynamic resistance of the layer and the speed of drying in it. The data given in the collection accurately define current ideas regarding the characteristics of development of a number of phenomena which form the

heating process. Knowledge of these data will permit refining the calculation methods used in heating technology. The first part contains 2 Soviet references; the second part contains 8 Soviet, 3 English, and 1 German reference; and the third part contains 49 Soviet, 12 English, 7 German, 1 French, and 2 Japanese references.

TABLE OF CONTENTS:

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THIRD PART. INVESTIGATION OF AERODYNAMICS AND TRANSFER IN FILLED CROSS SECTIONS (LOOSE AND CLUSTERED MATERIAL)

AVAILABLE: Library of Congress

IS/mfd
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Card 7/7

EFROS, M.M.

Investigating and selecting gas burners for industrial furnaces.
Gaz.prom. 4 no.5:26-33 My '59. (MIRA 12:7)
(Gas burners)

EFROS, M.M.

Conversion of industrial units from fuel oil to high heating value gas. Gaz.prom. 4 no.10:30-34 O '59. (MIRA 13:2)
(Gas burners) (Gas as fuel)

EFROS, M.M.

Investigation of gas burners operating on natural gas in industrial furnaces. Trudy VNIIT no.9:134-156 '60. (MIRA 13:11)
(Gas burners)

EFROS, M.M.

Scientific and Technological Conference on the Efficient Use of Natural Gas in Industrial Furnaces and Driers. Gaz.prom. 5 no.11:50-51 N '60. (MIRA 13:11)

(Gas as fuel—Congresses)

EFROS, M M.

25

PHASE I BOOK EXPLOITATION SOV/5458

Girshovich, Naum Grigor'yevich, Doctor of Technical Sciences, Professor, ed.

Spravochnik po chugunnomu lit'yu (Handbook on Iron Castings) 2d ed., rev. and enl. Moscow, Mashgiz, 1961. 800 p. Errata slip inserted. 16,000 copies printed.

Reviewer: P. P. Berg, Doctor of Technical Sciences, Professor; Ed.: I. A. Baranov, Engineer; Ed. of Publishing House: T. L. Leykina; Tech. Eds.: O. V. Speranskaya and P. S. Frumkin; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This handbook is intended for technical personnel at cast-iron foundries. It may also be of use to skilled workmen in foundries and students specializing in founding.

COVERAGE: The handbook contains information on basic problems in the modern manufacture of iron castings. The following are discussed: the composition and properties of the metal; the making of molds; special casting methods; the charge preparation; melting

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Handbook on Iron Castings SOV/5458

and modifying the cast iron; pouring, shaking out, and cleaning of castings; heat-treatment methods; and the inspection and rejection of castings. Information on foundry equipment and on the mechanization of castings production is also presented. The authors thank Professor P. P. Berg, Doctor of Technical Sciences, and staff members of the Mosstankolit Plant, headed by the chief metallurgist G. I. Kletskin, Candidate of Technical Sciences, for their assistance. References follow each chapter. There are 287 references, mostly Soviet.

TABLE OF CONTENTS:

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Handbook on Iron Castings SOV/5458

Card 10/11

EFROS, M. M.; GUSAROV, Ye. I.; YUNISOVA, S. A.; Prinimal uchastiye: KORNIYENKO, V. A.

Investigating the operation of plant furnaces converted to gas using a low-pressure jet. Trudy VNIIT no. 11:218-244 '62. (MIRA 17:5)

EFROS, M.M.

New furnaces for the nonoxidizing heating of steel and the results of their investigation. Kuz.-shtam.proizv. 5 no.8:33-37 Ag '63. (MIRA 16:9)

EFROS, M.M.

New single-chamber furnace for the nonoxidation heating of steel in an open flame. Trudy VNIIT no.12:156-167 '63.
(MIRA 18:11)

EFROS, M.M.; EYKHE, N.G.

Gas cupola furnace of the All-Union Scientific Research Institute for Fuel and the results of its investigation. Trudy VNIIT no.12:141-155 '63. (MIRA 18:11)

EFROS, M.M.; OVCHINNIKOVA, A.Ya.

Using high-energy gas to sublimate zinc in a rotary furnace.
Trudy VNIIT no.12:130-140 '63. (MIRA 18:11)

EFROS, M.M.

Brief news. Gaz. prom. 9 no.4:55-56 '64. (MIRA 17:8)

EFROS, M.M.; OVCHINNIKOVA, A.Ya.

Substituting gas for coke in the processing kilns of chemical plants. Gaz.delo no.1:28-30 '64. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke i ispol'zovaniyu topliva.

EFROS, M.M.

Flameless panel burners with a double mixer. Mash. i neft. obor. no.12: 13-15 '64. (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke i ispol'zovaniyu topliva.

EFROS, M.M.; BRUK, Yu.G.; YUNISOVA, S.A.; SOKOLOV, S.L.

Investigating an industrial-test furnace for nonoxidative heating in the Leningrad Metallurgical Plant named for the 22d Congress of the C.P.S.U. Trudy VNIIT no.13:109-120 '64.

(MIRA 18:2)

EFROS, M.M.; GUSAROV, Ye.I.

Experimental furnace for decontaminating waste waters by incineration. Trudy VNIIT no.13:121-126 '64.
(MIRA 18:2)

MAYZEL', Boris Isaakovich; OKUN', Boris TSalerovich; CHEPENKO, Nata Konstantinovna; EFROS, M.M., red.

[Use of the combustion products of natural gas in convection drying chambers for drying protective paint coatings] Konvektsionnye sushil'nye kamery s ispol'zovaniem produktov sgoraniia prirodnogo gaza dlia sushki lakokrasochnykh pokrytii. Leningrad, 1965. 25 p. (MIRA 18:7)

EFROS, Miron Moiseyevich; LIFSHITS, A.Ye., retsenzent; LEBEDEV, N.D., red.

[Heating and heat-treating gas-operated furnaces] Nagrevatel'nye i termicheskie pechi na gazovom toplive. Moskva, Metallurgiia, 1965 p. 415 p. (MIRA 18:2)

EFROS, P.S. (Tashkent)

Towerless system of water supply. Vod. i san. tekh. no.5:13-15 My '61. (MIRA 14:6)

(Water-supply engineering)

EFROS, R.D., aspirant; SADOV, F.I., prof.

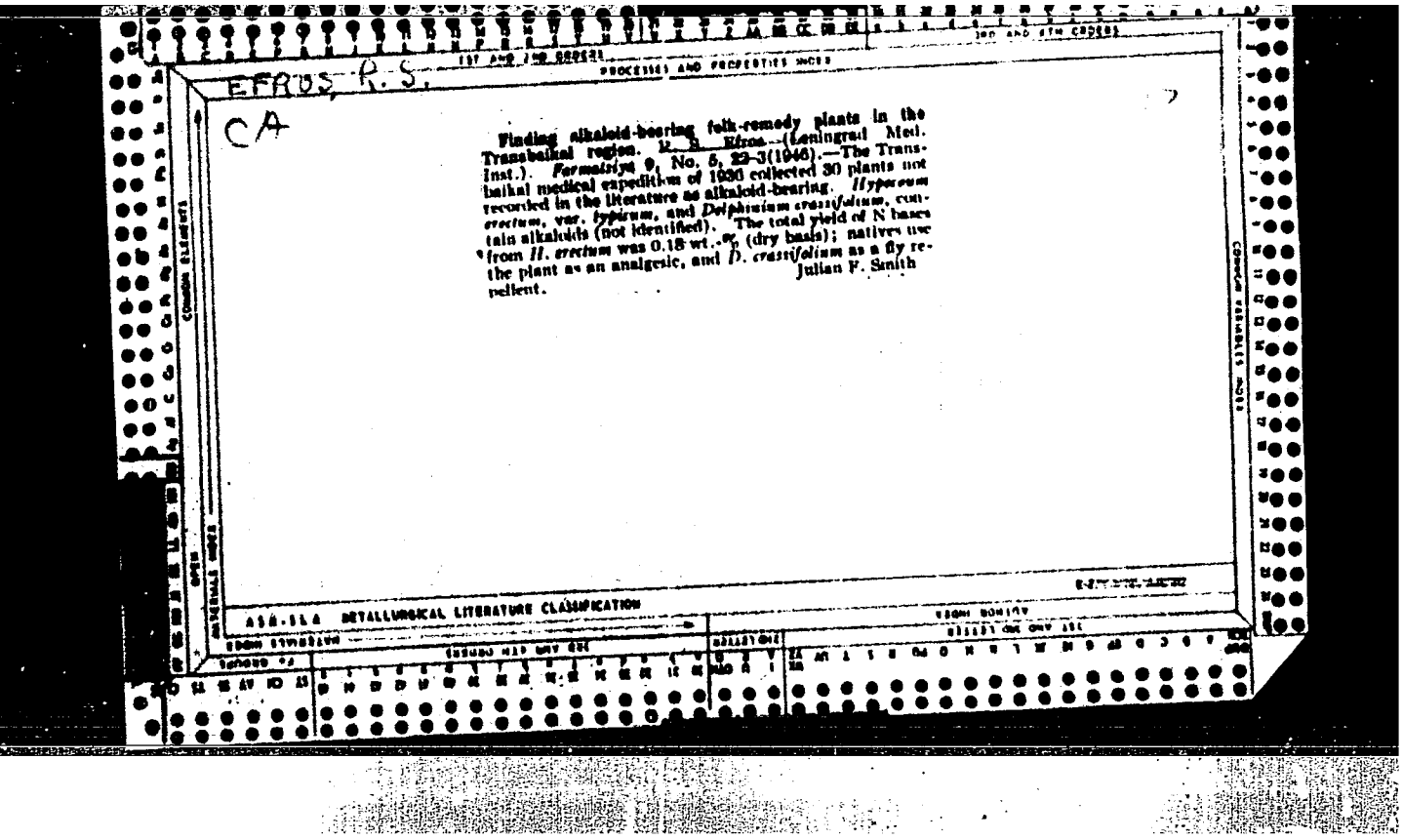
Simultaneous dyeing with dichlorotriazine dyes and finishing with synthetic resins. Tekst. prom. 25 no.4:45-48 Ap '65. (MIRA 18:5)

1. Moskovskiy tekstil'nyy institut.

EFROS, R.D., aspirant; SADOV, F.I., prof.

Alkali and acid hydrolysis of the coloring obtained by the method of simultaneous dyeing and finishing. Tekst. prom. 25 no.8:56-58 Ag '65. (MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.



EFROS, R. S.

CA

Finding alkaloid-bearing folk-remedy plants in the Transbaikal region. R. S. Efros. (Leningrad Med. Inst.). *Farmatsiya* 9, No. 5, 22-3(1946).—The Transbaikal medical expedition of 1930 collected 30 plants not recorded in the literature as alkaloid-bearing. *Hypecoum erectum*, var. *typicum*, and *Delphinium crassifolium*, contain alkaloids (not identified). The total yield of N bases from *H. erectum* was 0.18 wt. % (dry basis); natives use the plant as an analgesic, and *D. crassifolium* as a fly repellent.

Julian F. Smith

A58-51A METALLURGICAL LITERATURE CLASSIFICATION

USSR/Chemistry (Pharmaceutical), Jan/Feb 52
Medicine - Rutin

"Extraction of Rutin From Buckwheat Grass," A. M. Kholetskiy, R. S. Efros, Leningrad Chemico-phar Inst

"Aptechnoye Delo" No 1, pp 38-41

Buckwheat planted experimentally in Leningrad and the Leningrad Oblast (where 2 crops per year can be harvested) was used. Investigation showed that the best solvent for extraction is 70° alc. The greatest amt of rutin (2.16-2.57%) is contained in the leaves and flowers, the smallest in the

207T5

USSR/Chemistry (Pharmaceutical), Jan/Feb 52
Medicine - Rutin (Contd)

stalks (0.2%). If water is used for extraction, an excessive amt of alc (13.25 kg per kg crude plant material) is required for pptg impurities. Use of chloroform for defatting of crude rutin or distillation without vacuum of alc from extracts do not diminish yield of glucoside (rutin).

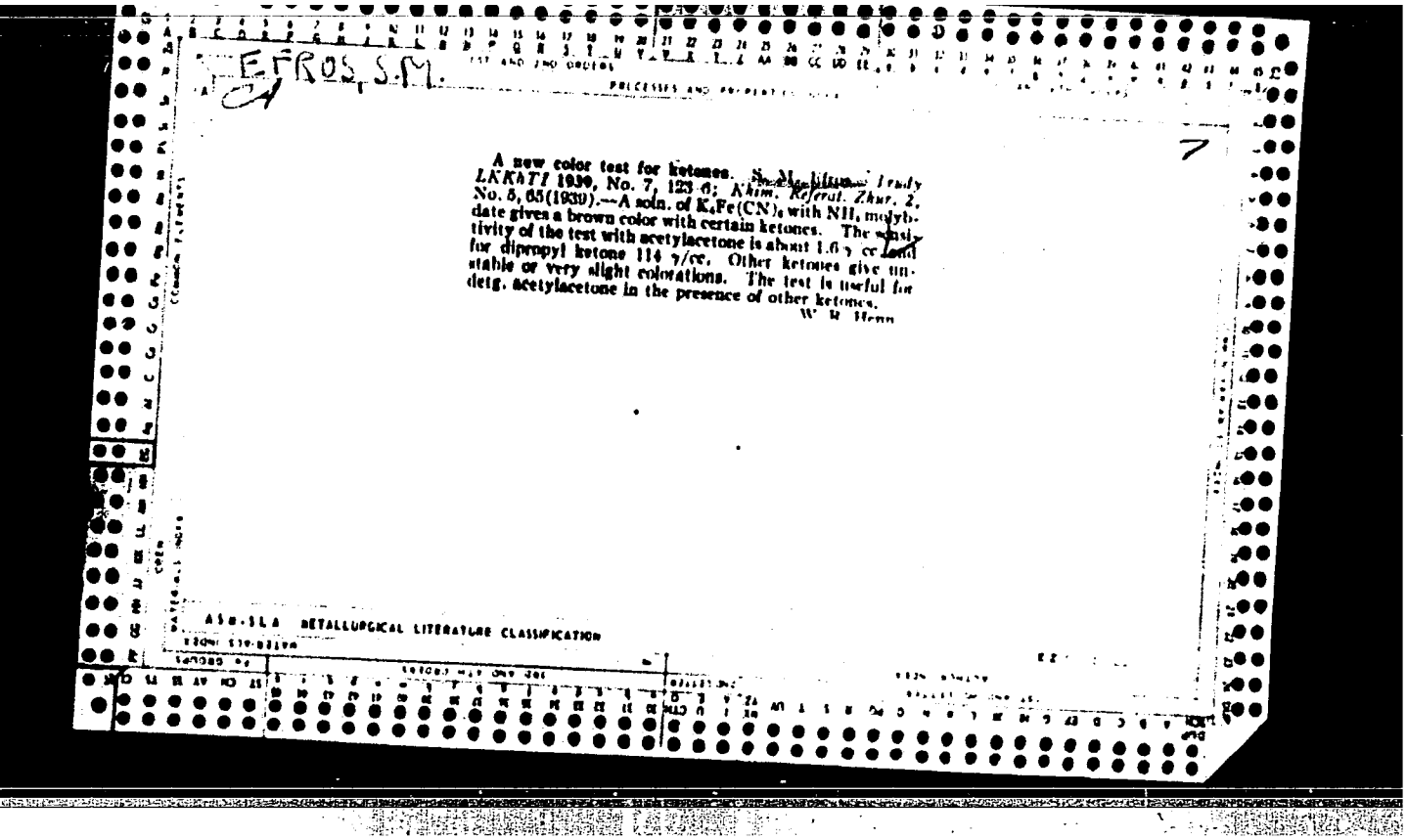
207T5

RAKHMANOVA, L.A.; ROBACHEVSKAYA, Ye.G.; FEL', V.Ya.; EFROS, S.A.

Morphology of experimental streptococcal infection with a primary intradermal focus in rabbits. Biul. eksp. biol. i med. 50 no.7: 107-111 Jl '60. (MIRA 14:5)

1. Iz kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. V.D.TSinzerling [deceased]) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (dir. - prof. A.Ya. Ivanov). Predstavlena akademikom N.N.Anichkovym.

(STREPTOCOCCAL INFECTIONS) (SKIN--DISEASES)



EFROS, S.M.

7

A new color test for ketones. S. M. [illegible]. *Trudy LKKATI* 1939, No. 7, 123-6; *Khim. Referat. Zhur.* 2, No. 5, 65(1939).—A soln. of $K_4Fe(CN)_6$ with NH, molybdate gives a brown color with certain ketones. The sensitivity of the test with acetylacetone is about 1.0 γ cc [illegible] for dipropyl ketone 114 γ/cc. Other ketones give unstable or very slight colorations. The test is useful for detg. acetylacetone in the presence of other ketones.

W. H. Hunn

A5a-5L4 METALLURGICAL LITERATURE CLASSIFICATION

EFROS, S. M.

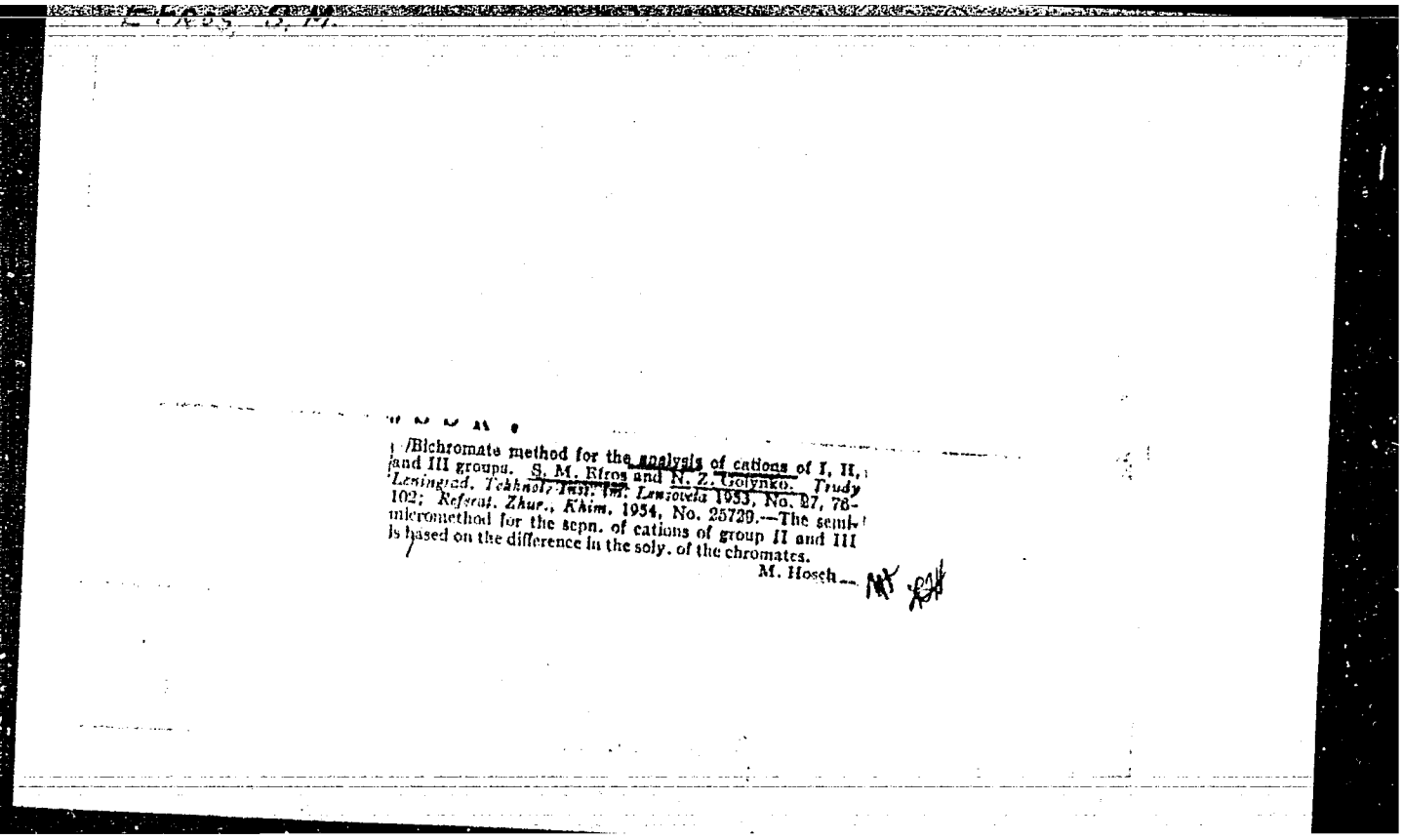
USSR/Chemistry - Analysis Dec 50

"New Color Reaction for Detection of Cadium Ion," S. M. Efros, Leningrad Tech Inst imeni Lensovet

"Zavod Lab" No 12, pp 1428, 1429

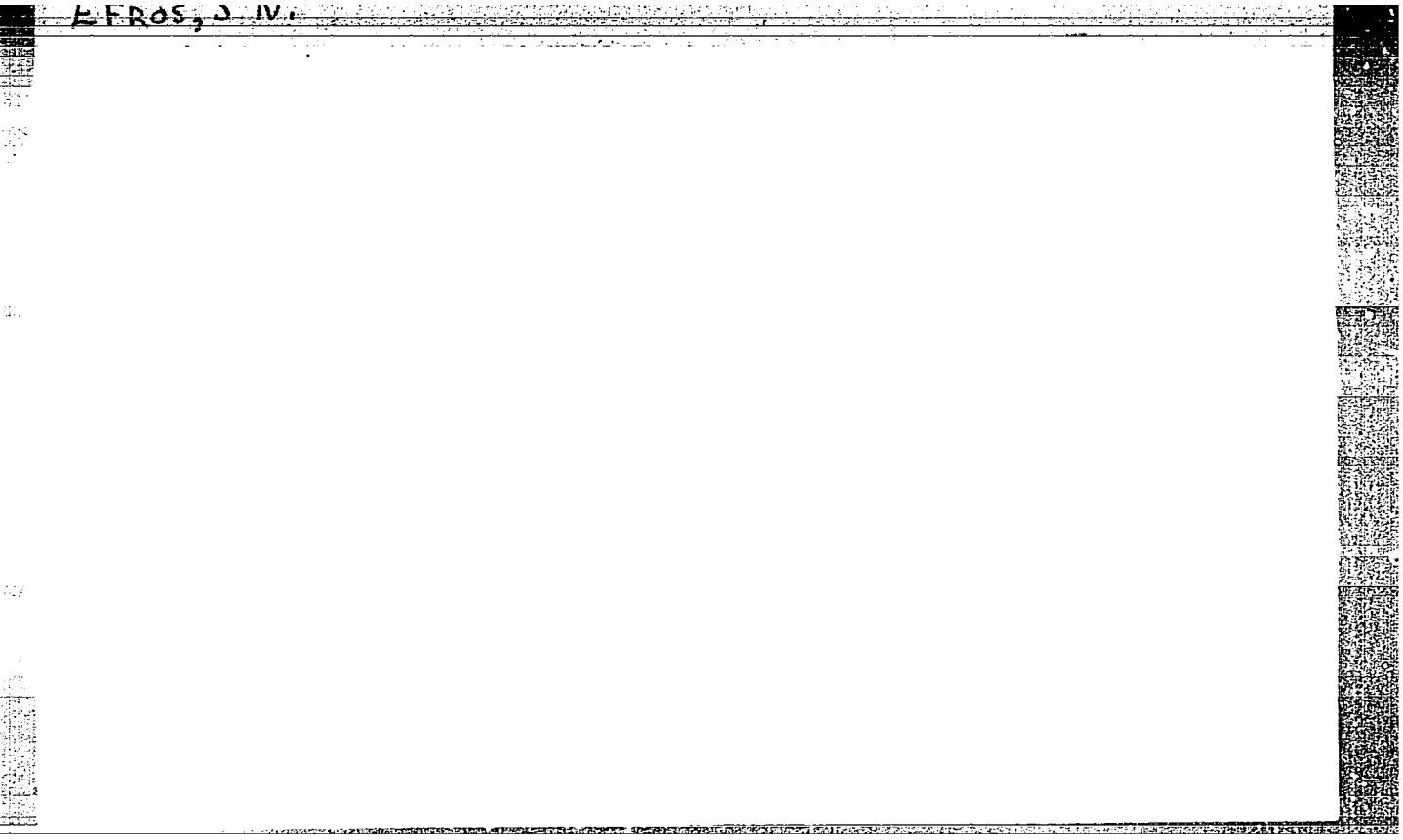
Reaction based on formation of raspberry-colored ppt from mixt of ammonium complexes of Cu and Cd under action of potassium cyanide in presence of ammonium oxalate. Reaction permits detection of 20 γ Cd/ml/ soln and may be used also for detection of Cu ion. Sensitivity for Cu is 0.2 γ /ml.

182T5



Bichromate method for the analysis of cations of I, II, and III groups. S. M. Efros and N. Z. Golynko. *Trudy Leningrad. Tekhnol. Inst. im. Lensoveta* 1953, No. 27, 78-102; *Referat. Zhur., Khim.* 1954, No. 25729.—The semi-micromethod for the sepn. of cations of group II and III is based on the difference in the soly. of the chromates.

M. Hosch



EFROS, S.M.

USSR

~~CZECH~~

1808. The use of a mixture of 8-hydroxyquinoline hydrochloride and potassium iodide for the detection of antimony in the presence of tin. S. M. Efros (*Tr. Leningr. Tekhn. In-ta*, 1953, [27], 116–118; *Referativnyĭ Zh., Khim.*, 1954, Abstr. No. 20,318).—A soln. of oxine and KI in 6 to 7 N HCl gives a ppt. (probably $C_9H_7ON.HSbI_4$) with Sb^{III}; the ppt. dissolves in water on heating. Sn^{II} or Sn^{IV} do not interfere. The reagent may be used to detect Sb^V; the KI reduces Sb^V to Sb^{III} and the liberated iodine is removed by the addition of $SnCl_2$ or Na_2SO_3; AsO_4''' does not interfere if present. The minimum amount of Sb detected is 2 μg. Cations of the analytical group 4 must be removed before the test is carried out.

F. HAYES

USSR

Microdetection of bismuth ions with 8-quinolinol (oxine) and potassium iodide. S. M. Efros, Z. I. Khelfets, and N. Z. Golynko. *Trudy Leningrad. Tekhnol. Inst. im. Lensoveta* No. 27, 110-20(1953); *Referat. Zhur., Khim.* 1954, No. 20319.—The detection of Bi^{+++} by oxine and KI is interfered with by Fe^{+++} and Cu^{++} and other oxidizing agents which liberate I from KI. To remove this interference, oxidizing agents are reduced with $Na_2S_2O_3$ or $SnCl_2$. Five procedures are described for detecting Bi^{+++}, including a drop method and a trituration method.

M. Hosch

USSR

Use of hydrochloric solution of 1,8-quinolinol (oxine) for semimicro-gravimetric determination of aluminum. S. M. Bros and N. Z. Golynko. *Trudy Leningrad. Tekhnol. Inst. im. Lensoveta* 1953, No. 27, 120-33; *Referat. Zhur., Khim.* 1954, No. 25757.—The use of 8-quinolinol soln. in HCl instead of in ale. or AcOH gives accurate and reproducible results in detn. of Al and decreases the amt. of NaOAc needed for adjusting the pH. To 1-2 ml. of soln. (4-8 mg. Al) add 9 ml. of reagent (3 g. 8-quinolinol in 4 ml. concd. HCl, and H_2O make 100 ml.), the mixt. is heated to 90-5° on a water-bath, to it is added approx. 1.5 ml. 2*N* NaOAc, the whole is kept for 5 min. on the bath until the ppt. crystallizes, and then 3.5 ml. reagent is added to raise the pH and lower the soly. of the ppt. After 10-15 min. the ppt. is filtered by suction, washed with small aliquots of hot water until free from Cl, and dried at 125-30° to const. wt.

M. Hosch

EFROS, S.M.

USSR.

Rapid semimicro-gravimetric determination of barium ion without filtering the precipitate. S. M. Efros and N. Z. Golynko. *Trudy Leningrad. Tekhnol. Inst. im. Lensoveta* 1953, No. 27, 134–6; *Referat. Zhur., Khim.* 1954, No. 25755; cf. *C.A.* 49, 3731*f*.—To 3–5 ml. of soln. contg. Ba^{++} in a centrifuge test tube add 2 drops of 6*N* H_2SO_4, 2–3 ml. H_2O, and heat the whole on a steam bath for 3–5 min. adding, meanwhile, dropwise hot 2*N* H_2SO_4 until no more ppt. forms. Then add 5–7 more drops H_2SO_4 and keep the test tube in the bath for 30–40 min. After centrifuging, draw off the supernatant liquid by suction, wash the ppt. 2–3 times with 1–2 ml. of wash soln. (1–2 drops 6*N* H_2SO_4 per 10 ml. H_2O), 1–2 times with 1 ml. cold H_2O, and twice with 5 ml. EtOH. Dry the test tube and ppt. to const. wt. at 130–40°.

M. Hosch

EFROS, S. M.

15-57-7-9490

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 109 (USSR)

AUTHORS: Efros, S. M., Bilik, O. Ya.

TITLE: Verification of the Sintering Method for Decomposition of a Silicate (Proverka metoda spekaniya dlya razlozheniya silikata)

PERIODICAL: Sb. stud. rabot. Leningr. tekhnol. in-t im. Lensoveta Leningrad, 1956.

ABSTRACT: A ground sample of the material to be investigated was prepared with a five-fold quantity of the mixture according to Yu. S. Lyashenkov, V. I. Sakunov, and N. S. Tkachenko /Analiya (?) zheleznykh i margantsovykh rud. Metallurgizdat, 1954 (Analysis of Iron and Manganese Ores. State Scientific and Technical Publishing House for Literature on Ferrous and Nonferrous Metallurgy, 1954)/ and carefully placed in a porcelain crucible. The mixture from the crucible was transferred to a sheet of tissue paper (7 cm by 7 cm), made into a

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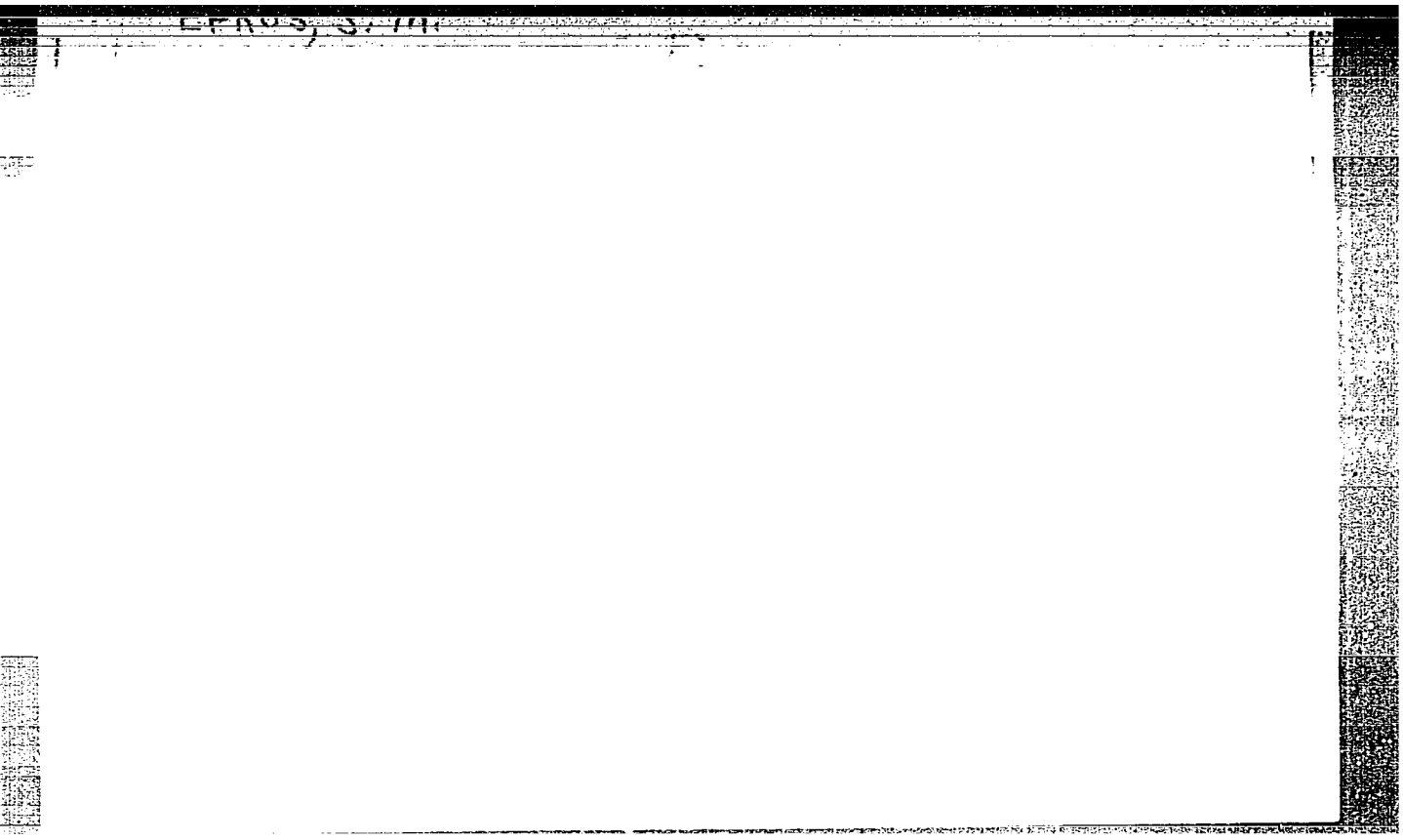
Verification of the Sintering Method for Decomposition (Cont.)

small package, and placed in the porcelain crucible on top of a lining of filter paper. The package should not touch the sides or bottom of the crucible to avoid adhesion of the mixture. The sintering was done at 800° to 900° in a muffle furnace for 10 to 15 minutes. The sintered mass was transferred to a 100-ml beaker. Twenty-five milliliters of water were added and then HCl in small portions (sp. gr. 1.18 to 1.19). After each addition of HCl, the beaker was covered by a watch glass. The solution was evaporated to a small volume in a sand bath for 1 to 1.5 hours (the solution remained clear during this time). It was then cooled to 50°. Seven milliliters of HCl (1.18 to 1.19) and one milliliter of one percent gelatin solution were added and the whole stirred. After this, 2 ml more of gelatin was added, and the mixture again stirred. Then this material was diluted by 50 ml of hot water and filtered through filter paper. The sediment on the filter was washed in hot water until there was a negative reaction to chlorine ions and it was then roasted.

Card 2/2

K. N. Ryabicheva



Efros, S.M

USSR/ Analytical Chemistry - Analysis of Inorganic Substances G-2

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12108

Author : Efros S.M.
Inst : Leningrad Technological Institute imeni Lensoviet
Title : Semi-Mecrogravimetric Determination of Sulfur in Pyrite by Centrifugation

Orig Pub : Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1956, No 35, 86-90

Abstract : On gravimetric determination of S in pyrite by the gravimetric method as $BaSO_4$, oxidation of S to SO_4^{2-} is effected with liquid bromine in the presence of CCl_4 and HNO_3, while rediction of Fe^{3+} to Fe^{2+} is effected with ascorbic acid. Weighed sample of finely ground pyrite is placed in a 100 ml beaker, treated with 5 ml of a mixture of liquid bromine (2 ml) and CCl_4 (3 ml), left in the hood for 10 minutes, stirring at intervals, then 5 ml concentrated HNO_3 are added and after 10 minutes the beaker is transferred to a water bath and heated until the

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Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12108

reaction is completed and most Br_2 has been removed; contents of the beaker are evaporated to dryness, residue mixed with 1 ml concentrated HCl, again evaporated to dryness; residue is left on the bath for 10 minutes and is then moistened with 1 ml concentrated HCl. After 15 minutes 5 ml of hot H_2O are added, the solution is filtered into a 100 ml measuring flask, the beaker is rinsed with water and the filtrate is brought up to the mark. An aliquot portion of the solution (5 ml) is placed into a weighed centrifugation tube, heated to 60-70°, and a 1% solution of ascorbic acid is added dropwise until the solution is decolorized, after which 2-3 drops more are added. Contents of the tube are heated to 80-90°, and 0.5 N $BaCl_2$ (90-95°) is added dropwise, to precipitate all $BaSO_4$ after which 4-5 drops more are added. The tube containing the precipitate is left on a boiling water bath for 30 minutes, cooled and centrifugated. The liquid is poured off, or removed

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12108

by suction, the precipitate is washed 2-3 times with cold water (using 0.5-1 ml each time), centrifugated, the liquid is poured off or recoved by suction, thoroughness of washing is checked by means of a negative reaction for Cl^-, and thereafter the precipitate is washed twice with C_2H_5OH (1-2 ml each time). Tube with precipitate is placed in a thermostat and dried for 10 minutes, first at 80° and then at 130-140°, allowed to cool in a desiccator, and weighed. Results of analysis are reproducible; performance of the second part of the analysis (precipitation of $BaSO_4$ and subsequent operations) requires 2 hours. See also RZhKhim, 1954, 25755.

EFROS, S.M.; BOYCHINOVA, Ye.S.; CHUPRIK, V.F.

Vanadatometric determination of barium ions. Trudy LTI no.48: 165-168 '58. (MIRA 15:4)
(Barium--Analysis)

EFROS, S.M.; BOYCHINOVA, Ye.S.; KUZNETSOVA, A.K.

Determination of zinc and nickel ions in an electrolytic bath of nickel black. Trudy LTI no.48:169-174 '58. (MIRA 15:4)
(Zinc--Analysis) (Nickel--Analysis)

EFROS, S.M.; BOYCHINOVA, Ye.S.; GORFUNKEL', Yu.M.

Complexometric determination of copper and zinc ions present together.
Trudy LTI no.48:175-178 '58. (MIRA 15:4)
(Copper--Analysis) (Zinc--Analysis) (Complexons)

EFROS, S.M.

Detection of cadmium ions in the mixture of cations of the IVth analytical group. Trudy LTI no.48:187-190 '58. (MIRA 15:4)
(Cadmium--Analysis) (Metals--Analysis)

BOYCHINOVA, Ye.S., EFROS, S.M., NEMIROVSKIY, V.D.

Volumetric determination of small quantities of oxygen. Trudy LTI no.58:31-35 '59. (MIRA 13:7)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.
(Oxygen--Analysis)

KOROL'KOV, I.I.; ZAYTSEV, B.M. [deceased]; SHARKOV, V.I.; VAYNER, A.S.; EFROS, I.N.; EFROS, V.A.; BUBNOVA, N.I.

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2. Segezhskiy gidroliznyy zavod (for I. Efros, V. Efros, Bubnova).
(Hydrolysis) (Percolation) (Wood—Chemistry)

EFROS, V.B.

Oiling crown and draft gear spindles on spinning machines by means of a centralized lubricating system. Obm.tekh.opyt. [MLP] no.16:66-68 '56. (MIRA 11:11)
(Spinning machinery--Lubrication)

ABRAMOV, Ye.I.; YEROKHIN, N.G.; EZROS, V.Ya.; SARKISYANTS, Ye.A., redaktor; PUSTRYAKOV, A.I., redaktor; GOR'KOVA, Z.D., tekhnicheskiy redaktor

[Disassembling and assembling the DT-24 tractor] Razborka i sborka traktora DT-24. Pod red. E.A.Sarkisiantsa. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 291 p. (MLRA 10:10)
(Tractors)

EFROS, V.V.; KUPERSHMIDT, B.L.; PETROV, G.S.; TARASOV, Yu.N.

Investigation of the D-24 engine provided with an electric starter. Avt. i trakt. prom. no.2:7-10 F '57. (MLRA 10:3)

1. Vladimirskiy traktornyy zavod.
(Automobiles--Engines)

LEBEDEV, V.S.; STOLBOV, M.S.; EFROS, V.V.

New tractor "Vladimirets T-28." Trakt. i sel'khozmash. 8:7-12 Ag '58. (MIRA 11:8)

1.Valdimirskiy traktornyy zavod im. A.A. Zhdanova.
(Tractors)

KUPERSHMIDT, V.L.; EFROS, V.V.

Using liquefied oils in tractor diesel engines. Trakt. i sel'khozmash. 8:13-16 Ag '58. (MIRA 11:8)

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(Tractors--Engines) (Diesel fuels)

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(MIRA 13:3)

(Diesel engines)

YEROKHIN, Nikolay Georgiyevich; KUPERSHMIDT, V.L.; EFROS, V.V.; PESTRYAKOV, A.I., red.; ZUBRILINA, Z.P., tekhn.red.

[Handbook for "Universal" DT-24, T-28, T-28M tractors] Spravochnik po traktoram "Universal" DT-24, T-28, T-28M. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 215 p. (MIRA 13:12)

(Tractors)

YEROKHIN, N.G.; MARTYNOV, D.I.; POLETAYEV, V.F.; EFROS, V.V.; BANNIKOV, S.A.; PESTRYAKOV, A.I., red.; DEYEVA, V.M., tekhn. red.

[Modernized T-28 row-crop tractors] Modernizirovannye propashnye traktory T-28. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 279 p. (MIRA 15:2)
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EFROS, V.V.; KATOL'NIK, V.M.; STOLBOV, M.S.

Studying of the cooling system of the D37M engine. Trakt.i sel'khozmash. 32 no.4:8-12 Ap '62. (MIRA 15:4)

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(Tractors--Engines)

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Effect of the degree of compression on the indices of an engine with volumetric film carburation in an open chamber. Trakt. i sel'khozmash. 33 no.3:6-8 Mr '63. (MIRA 16:11)

1. Vladimirskiy traktornyy zavod.

MIRONOV, A.P., kand. tekhn. nauk; EFROS, V.V., inzh.

Effect of the parameters of the injector spray tip on the indices of the D37M engine. Trakt. i sel'khozmash. 33 no.6:20-22 Je '63. (MIRA 16:7)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut (for Mironov). 2. Vladimirskiy traktornyy zavod (for Efros)

(Tractors—Fuel systems)

EFROS, V.V., inzh.

Effect of the speed of the movement of air charge in the combustion chamber on the indices of the DZ7M diesel engine. Trakt. i sel'khozmash. 33 no.10:4-7 O '63. (MIRA 17:1)

1. Vladimirskiy traktornyy zavod.

EFROS, V.V.

Effect of forms and sizes of a combustion chamber on the intensity of movement of the air charge. Trakt. i sel'khozmash., no.12:8-11 D '64 (MIRA 18:2)

1. Vladimirskiy traktornyy zavod imeni A.A. Zhdanova.

EFRUS, I.

Introducing industrial building methods into construction. Stroitel' no.9:3-5 S '60. (MIRA 13:9)

1. Glavnyy inzhener tresta Mosoblstroy No.9.
(Moscow Province--Precast concrete construction)

EFRUS, M.

Simplify financial planning in scientific research institutions. Fin.SSSR 16 no.6:63-64 Je '55. (MLRA 8:6)
(Research--Finance)

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Finance agricultural scientific institutions in the new way.
Fin.SSSR 20 no.2:31-35 F '59. (MIRA 12:4)
(Agricultural research--Finance)

EFRUSI, B.

"Transplantation in Drosophila", (p. 357) by Biedl, G.; and Efrusi, B.

SO: Advances in Contemporary Biology(USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 2 1936

EFRUSSI, B.S.

Nuclear and cytoplasmic heredity. Izv.AN SSSR.Ser.biol. no.3: 359-367 My-Je '59. (MIRA 12:9)

1. Laboratory of Physiological Genetics, National Center of Scientific Research, Juif-sur-Ivette, France.
(HEREDITY)

Name: EFRUSSI, M. M.

Author of booklet, "Home-made Pickup", which is part of the series, "Radio Amateur Aids". The booklet contains the principles, construction and operation of an home-made pickup. Primarily written for radio amateurs.

REF: R. F. #7, p.63, 1938

EFRUSSI, M.

PA 157T105

USSR/Radio - Hearing Aids Apr 50

"Hearing-Aid Devices," M. Efrussi, 4 pp

"Radio" No 4

Hearing aids are of two types: (1) microtelephone hearing devices and (2) vacuum-tube hearing devices. Explains principle of (1). Example of (2) is the LAB-8, three-tube, battery-fed set made by Moscow Hearing Device Factory. Describes construction with circuit diagram and photographs.

[redacted] 157T105

EFRUSSI, M.

PA 190T107

USSR/Radio - Voltage Regulation Jun 51

"The Stabilivolt," M. Efrussi

"Radio" No 6, pp 55-59

Describes gas-filled voltage regulator tubes with activated iron or nickel electrodes. Tube types mentioned: SG-226, the SG2S (7585-30), and SG4S (1508S-30).

✓

190T107

EFRUSSI, M.

PA 195T102

USSR/Radio - Tubes Sep 51
Voltage Regulators

"The Use of Gaseous Voltage Regulator Tubes," M. Efrussi

"Radio" No 9, pp 49-51

Describes several methods of connecting voltage regulator tubes in circuits for supplying stabilized voltage for the frequency converter of a heterodyne receiver, for the screen-grid circuits of rf and i-f amplifiers, for the master oscillator of a low-powered transmitter, etc. Includes table of general data on VR tubes of Soviet manuf.

195T102

ERMOSSI, M. M.

Gaseous voltage stabilizers. Moskva, Gos. energ. izd-vo, 1952. 31 p. (Massovaia radiobiblioteka, vyp. 147) (54-17510)

TK2851.E4

EFRUSSI, M. M.

"Automatic Regulation of the Tuning Zone," Radio No.2, 1952

1. YEFRUSSI, M. ; DOL'NIK, A.

2. USSR (600)

4. Commutation (Electricity)

7. Automatic commutator for automatic transformer. Radio. No. 10. 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

YEFRUSSI, M.

Voltmeter

Simple voltmeter. Radio 29 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

EFRUSSI, M. M.

USSR/Engineering - Soundproof Material 21 Jan 52
Physics - Acoustics

"Measurement of Sound-Absorbing Materials in Reverberation Chamber," B. D. Tartakovskiy, M. M. Efrussi, Phys Inst imeni Lebedev, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXII, No 3, pp 373-376

The importance of the reverberation method of measuring coeffs of sound-absorption has been noted frequently (N. N. Andreyev, "Trudy Akusticheskoy Komissii, Sbornik" 3, 9, 1939); and the method has been long in practical application (N. K. Mikhiyeva, "Trudy Nauchno-Issledovatel'skiy

211T52

Institut Fizicheskikh i Khimicheskikh Issledovaniy" (Works of Sci Res Inst of Phys and Chem Res) 6, 173, 1937). It has been but little studied, however, and has been limited mainly to clarifying the role of boundary effects (G. A. Gol'dberg, "Trudy Akusticheskoy Komissii, Sbornik" 3, 33, 1939). Gives the results of special investigations of the reverberation method at the acoustic laboratory of the Phys Inst. Submitted by Acad M. A. Leontovich 28 Feb 51. Thanks N. N. Andreyev.

211T52

EFRUSSI, M. M.

Dol'nik, A. G., and Efrussi, M. M., "An Automatic Voltage Regulator," Moscow and Leningrad, Gosenergoizdat, 1953, 16 pages (Mass Radio-Broadcast, No. 186).

EFRUSSI, M.M.; MALININ, R.M., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Hearing aids] Slukhovye apparaty. Moskva, Gos. energ. izd-vo, 1953. 47 p. (Massovaia radiobiblioteka, no. 191) (MLRA 7:7)
(Hearing aids)

EFRUSSI, M. M.

"A Rectifier for Hearing Aids," Radio No.1, p. 52, 1953

Describes a rectifier used to supply hearing aids type LAB-7, LAB-8, Zvuk, Sonotone No.531, and Zenith A3A from the line in order to conserve batteries. The unit cpnsists of a selenium rectifier and filters for plate and filament voltages. The rectifier prowides a plate voltage of 45 v at 2 ma and a filament voltage of 1.35 v at 75 ma. It draws 150-160 ma from the line. 253T83

EFRUSSI, M.M.

DEMIDOV, P.A. (Moscow); EFRUSSI, M.M. (Moscow).

Basic principles in the use of hearing aids. Vest.oto-rin.15 no.6:10-13 N-D '53. (MLRA 7:1)
(Hearing aids, Mechanical)

EFRUSSI, M. M.

Stupenchatyy regulator napryazheniya /Step-Voltage Regulator/, A. G. Dol'nik and M. M. Efrussi, compilers (from the series: "Massovaya radiobiblioteka" /Radio Library for the Masses/), illustrated, Gosenergoizdat, 1 sheet, 15,000 copies

This brochure describes one of the exhibits of the Tenth All-Union Exposition of Creative Activity of Radio-Amateur Designers, an automatic voltage regulator (automatic switch for the sections of autotransformer windings), designed to maintain a constant input voltage to a radio receiver or television set from the house current.

Intended for the radio-amateur designer.

SO: U-6472,23 Nov 1954

EFRUSSI, M.

Attachment to a radio receiver for the hard of hearing. Radio no.7:52 Jl '54. (MIRA 7:7)
(Radio--Receivers and reception) (Hearing aids, Mechanical)

EFRUSSI, M.M.: POLAND

Hearing Aids. Warsaw, Panstwowe Wydawnictwa Techniczne, 1955.

48 pp., 36 drawings, 2,137 copies printed.

EFRUSSI, M.M.(Moskva)

Testing hearing through speech audiometry. Vest. oto-rin. 17 no.5:9-13 S-O '55. (MLRA 9:2)

(AUDIOMETRY,
vocal)

EFRUSSI, M.

"Importance of Electro-Acoustical Apparatus," Meditsinskiy Rabotnik, Vol 18, 1955, p 4.

Translation M-570, 28 Jun 55

107-57-2-43/56

AUTHOR: Efrussi, M. (Moscow)

TITLE: Vibration Damping in Electroacoustics
(Vibrodempfirovaniye v elektroakustike)

PERIODICAL: Radio, 1957, Nr 2, p 48 (USSR)

ABSTRACT: By coating a vibrating surface with a damping material, its damping decrement can be considerably increased, and thus vibration and noise materially suppressed. Straightening the frequency response of a loudspeaker, particularly at higher frequencies, can be achieved by coating its diffuser with a damping layer. Frequency response of a Lorenz loudspeaker, with and without the damping coating, is presented in the article. The author suggests making cabinets for radio receivers, radio-phonographs, and loudspeakers from boards or plywood 3- to 5-mm thick covering the cabinet with a roofing felt which has very high acoustic internal losses. Methods for pasting the felt over the plywood are also suggested.

There are 1 figure and 1 German reference in the article.

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EFRUSSI, M. M.

NAUMKINA, N. I., TARTAKOVSKIY, B. D., and EFRUSSI, M. M.

"Experimental Study of Some Vibration-Absorbing Materials."

paper presented at 4th All-Union Conf. on Acoustics, Moscow, 26 May - 2 Jun 58.

PHASE I BOOK EXPLOITATION 1108

Efrussi, Mikhail Mikhaylovich

Stabilitrony i neonovyye lampy (Stabilivolts and Neon Lamps) Moscow, Gosenergoizdat, 1958. 63 p. (Series: Massovaya radiobiblioteka, vyp. 289) 40,000 copies printed.

Ed.: Zhuravlev, A.A.; Tech. Ed.: Medvedev, L.Ya.; Editorial Board of the Series: Berg, A.I., Burlyand, V.A., Vaneyev, V.I., Genishta, Ye.N., Dzhigit, I.S., Kanayeva, A.M., Krenkel',E.T., Kulikovskiy, A.A., Smirnov, A.D., Tarasov, F.I., Chechik, P.O., Shamshur, V.I.

PURPOSE: This booklet is intended for radio amateurs with some knowledge of radio engineering.

COVERAGE: The booklet describes the operating principle, construction and special features of gas-discharge stabilizers (stabilivolts) and neon signal lamps. The author offers a simple method of calculating basic operating data for voltage stabilizing circuits. He also describes the most common arrangements employing stabilivolts and neon lamps. No personalities are mentioned.

Card 1/2

Stabilivolts and Neon Lamps 1108

There are no references.

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